

Noise Management Plan

Date: 18th April 2019

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This protocol will form part of the Environmental Management Plan.

The controls within this document are to be complied with by Lancashire Crushing and all subcontractors visiting or working for Lancashire Crushing.

Noise Control Health and Safety

Works are to comply with the Control of Noise at Work Regulations (2005) and shall be coordinated by Mr P Slater and their existing HSE Consultants

Refer to Controlling Noise at Work - Guidance on the Noise at Work Regulations 2005

Where possible noise levels at source are to be reduced by the careful selection of plant, with plant and equipment in a good state of repair, siting noise sources as remote as possible from the site boundary

Where noise levels remain above 80dB (A) noise assessments are to be undertaken and suitable hearing protection made available to those who request it

Where Noise Levels are above 85 dB(A) establish hearing protection zones which are clearly signed Ear protection must be worn within established ear protection zones

Ensure that noise does not cause a nuisance in the vicinity of the work being carried out

Where noise assessment indicate a possible risk to employees health undertake health surveillance for employees (i.e. regular exposure above a daily or weekly personal noise exposure of 85 dB(A) Noise assessments already take place in the internal workshop areas and Yard supervised by clients existing consultants

Noise Control, Environmental

Environmental Management Controls are already in place on site to reduce potential noise and vibration disturbance from normal operational activities. In establishing criteria controls and working methods account shall be taken of guidance

BS 5288 'Noise control on construction and open sites' E

Environmental Management Controls

are to include:

Sound Barriers

Acoustic Fencing / Gabions shall be erected on the boundary to Lyndale, previous attempts to construct these did not proceed as the neighbour considered the gabions too tall and unsightly, the current proposal will require Planning Permission from RVBC which has been submitted on 18th April 2019. These gabions are already in place and working successfully at an animal food factory and yard in the region and photographs are included with the Planning Application

Earth Noise Bund & Planting

Already constructed to the North East and part of the South boundaries to the site.

In addition to these works the overhead electrical lines were relocated underground so that more of the site is accessible and use able by cranes and offloading equipment using cranes, telehandlers and forklift trucks

Moveable Sound Barriers

Acoustic Screens shall be set up between the noise generating plant to the pressure wash and vehicle cleaning areas. These barriers to be of such a design to obscure the line of sight between the noise source of the machine and the reception point at the nearest dwelling.

The material used for acoustic screening shall have have a mass per unit of surface area in excess of 35Kg/m³. The design has taken account of the possibility of some sound passing around the ends of straight barriers, the length of a barrier used for screening should be at least five times greater than its height. Using well placed screening should reduce the noise levels by 15 - 18 dB

Hours of Working

Existing hours of working are 0700 to 1800 Monday to Friday and 0700 to 1400 on Saturday. Some operations may continue overnight if noise assessment can show noise impact to be within agreed tolerance. There are also emergency call out procedures which may occur in the event of equipment failure or emergency Lancashire Crushing being required to attend at for example a building fire.

Where reasonably practicable ensuring the use of quiet working methods, the use of the most suitable plant, reasonable hours of working for noisy operations and economy and speed of operations

Operational Practices

Machines in intermittent use should be shut down in the intervening periods between work or throttled down to a minimum

Materials should be handled with care and whenever practicable not dropped, Planned deliveries of abnormal loads are already controlled by a specialist logistics consultant deliveries taking place during off peak periods where practicable

Existing Traffic Management scheme to be Maintained and revised to comply with latest ideas

Maintenance

Noise caused by resonance of body panels and cover plates of machinery could be reduced by stiffening with additional ribs or by increasing the dampening effect with a surface coating of special damping resonance materials

Regular and effective maintenance of static and mobile plant by trained personnel to reduce noise from machinery is already undertaken during the 6 monthly planned maintenance regimes

Plant Specification

If necessary acoustic enclosures could be enhanced and/ or acoustic screening for ancillary equipment such as generators or compressors

Anti vibration mountings have already been fitted where practicable to rotating and or impacting equipment

Preferred use of electrically or air powered plant as opposed to diesel or petrol driven

All Plant and Equipment on site and within the workshops already complies with EU noise emission limits

Positioning of Plant and Equipment

Locating noisy plant and equipment as far away as possible from noise sensitive receptors as reasonably practicable and where possible carry out loading and unloading in these areas. White van deliveries some of which have tail lift offloading facilities are very difficult to control as they are infrequent visitors and do not know the sites established procedures.

Orienteering plant that is known to emit noise strongly in 1 direction so that the noise is directed away from noise sensitive receptors where possible

All ancillary plant such as generators and compressors and pumps should be positioned so as to cause minimum noise disturbance

Positioning of the crusher unloading area as far from noise sensitive receptors as reasonably practicable as shown in the Appendix Plan A

No crushing or screening activities are undertaken on site other than the dismantling of damaged equipment which has been returned from site for repair

Lorries and Dumpers shall be parked in a designated area as shown in the Appendix Plans

Complaints Procedure


On receiving a Noise related complaint, inform Mr P Slater who will be responsible for administering the Complaints Procedure. A noise assessment will be undertaken to investigate source and implement possible noise attenuation/control measured if required to ensure noise levels are not exceeding agreed levels

Environmental Noise Monitoring Plan

Lancashire Crushers will be responsible for undertaking weekly boundary noise monitoring

Noise monitoring within the workshops units are already undertaken by existing HSE Consultants. These consultants already check on compliance with the Control of Noise at Work Regulations. This data will also be used to identify any changes or increasing noise levels associated with the works

Additionally aural noise monitoring which was undertaken in 2017 and results presented to RVBC will be undertaken by Mr P Slater to check plant is operating normally and to detect any significantly changed or noisy activities


18th April 2017